

IDEA-0896-68

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29 November 1968

MEMORANDUM FOR THE RECORD

SUBJECT: Visit of Mr. Dan Anderson, USAF, on 26 November 1968

1. Mr. Anderson, sensor systems specialist on Col. Frank Hartley's staff visited OSA on 26 November to discuss problems of mutual interest.

2. With respect to the basic U-2R program, we discussed potential roles of cameras other than the Optical Bar (IRIS II). I informed Mr. Anderson that we are phasing out all other cameras, except possibly the H camera. The H camera has been released by the Air Force program; all three existing units are in our jurisdiction. Eight additional lenses are in storage under Mr. Anderson's jurisdiction (residue from a defunct satellite program). The Air Force is requesting that the A-1/A-2 cameras be maintained in the inventory for use in mapping missions (we do not currently maintain any inventory of this camera, nor do we currently apply it). Mr. Anderson states that, at present, no mapping requirements have been validated for the Air Force program, and if such were validated, that the A-1/A-2 family would not be a very satisfactory solution. Primary difficulty in potential mapping missions is in adequate control and recording of vehicle position and attitude. Some discussions with the intelligence community on potential mapping applications of the U-2R might well be in order with respect to Agency interests specifically or with respect to Earth Resources management. Mr. Anderson requested that, in the near future, his office and OSA should make a joint position known to the NRO on the camera configurations for the U-2R.

3. Mr. Anderson desires to run one of the IRIS II cameras through the Dynamic Analyser at WPAFB. Baseline data has been taken on the [] camera (IRIS I), so that about one month would be required at Wright Field. This test should be subsequent to the completion of the environment survey with the Hycon instrumentation package. Mr. Anderson recommended careful supervision of the data acquisition and analysis that will be performed by Hycon with that package as he feels that they have goofed badly in the vibration field in the recent past.

USAF review(s) completed.

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5. As first steps, we should develop the scenario for some typical operational employments, and also for the proposed demonstration (domestic). Next, the costs and schedules need to be developed for the proposed operational system. The program plan for the demonstration must define what equipments might be borrowed, and placed in a bread-board demonstration system, and what must be purchased or re-packaged for such demonstration; proposed flight plans, costs, schedules, etc. will also be needed. The operational program plan must provide early estimates of the capability of providing for system installation in the U-2R compatible with maintaining full EWS capability and the IRIS II installation. It would be desirable to complete the demonstration program within the balance of this fiscal year.

6. [] LAC has been discussing some related concepts and installations with OSA, and will be in again next week for further discussions. Mr. Anderson and I plan to visit CBS Laboratories the week of 16 December for discussions of this program.

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7. No discussions have been held on the relative roles of AFRDR-P and OSA on this program; however, it is a good spot for a truly joint program.

8. The proposed Image Transmission System is not competitive with the Navy META program -- with which AFRDR is not cognizant, and [REDACTED]

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[REDACTED]
Assistant for Technology
Deputy for
Research and Development
Special Activities

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